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Title: JP2000268517A2: MAGNETIC DISK DEVICE AND ITS SLIDER MECHANISM

Country: JP Japan

Kind: A2 Document Laid open to Public inspection ⁱ

Inventor: YOSHIDA MEGUMI;

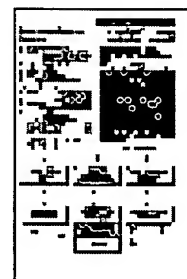
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Published / Filed: 2000-09-29 / 1999-03-15

Application Number: JP1999000068635

IPC Code: [G11B 21/10](#); [G11B 5/596](#); [G11B 21/02](#);

Priority Number: 1999-03-15 JP1999000068635



Abstract: PROBLEM TO BE SOLVED: To obtain a slider of a magnetic disk device capable of suppressing the fluctuation of an actuation in the perpendicular direction of the magnetic disk detrimental to the recording and reproducing characteristics generated when a microactuator of a magnetic head element drive type designed to expand a magnetic head positioning control band by increasing the resonance frequency of a magnetic head drive system is used.

SOLUTION: The slider is formed of a two-stage slider structure consisting of a main slider 1 having a relative high flying height and a secondary slider 2 of a low flying type and microminiature size mounted with a magnetic head element. Only the secondary slider 2 is microdriven in the radial direction of the magnetic disk by the microactuator structure. As a result, the fluctuation in the magnetic disk perpendicular direction of the actuator detrimental to the recording and reproducing characteristics generated when the microactuator of the magnetic head element drive type is driven in order for the structure body (i.e., the secondary slider) including the magnetic head element part which is the object to be driven of the microactuator to itself form a control system for spacing between the magnetic head and a method disk medium can be suppressed.

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References:

PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US6600634	2003-07-29	Kim; Seok-jung	Samsung Electronics Co., Ltd.	Micro actuator

Other Abstract DERABS G2000-651765 DERABS G2000-651765

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